

Symbol

Value

Unit

Information requirements for heat pump space heaters and heat pump combination heaters according Reg. (EU) 813/2013 and DIN EN 14825:2018

ltem

Modell	SPH-W0360-T1R00-011H (R-515B)
Air-to-water heat pump:	No
Water-to-water heat pump:	Yes
Brine-to-water heat pump:	No
Low-temperature heat pump:	No
Equipped with a supplementary heater:	No
Heat pump combination heater:	No

Parameters are declared for applications with:	low-temperature (35°C)
	average climate

Item	Symbol	Value	Unit	
Rated heat output	P _{rated}	272,43	kW	
Declared capacity for heating for part load at indoor temperature 20 °	C and out	loor temperatu	ıre Tj	
Tj = -7°C	P _{dh}	241	kW	
$Tj = +2^{\circ}C$	P _{dh}	146	kW	
Tj = +7°C	P _{dh}	94	kW	
Tj = +12°C	P _{dh}	78	kW	
Tj = -10°C (bivalent temperature)	P _{dh}	272	kW	
Tj = -10°C (operation limit temperature)	P _{dh}	272	kW	
Bivalent temperature	T _{biv}	-10	°C	
Degradation coefficient*	C _{dh}	0,90	-	
Power consumption in modes other than active mode				
Off mode	P _{off}	-	kW	
Thermostat-off mode	P _{TO}	4,23	kW	
Standby mode	P _{SB}	0,24	kW	
Crankcase heater mode	P _{CK}	-	kW	
Sonstige Elemente				
Capacity control		variable		
Sound power level	L _{WA}	94	dB(A)	
Annual energy consumption	QHe	88.918	kWh	
Rated brine or water flow rate, evaporator		64,3	m³/h	
Contact details				
ENGIE Refrigeration GmbH Josephine-Hirner-Strasse 1&3 88131 Lindau				

Seasonal space heating energy efficiency ηs 245,15 % Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj Tj = -7°C COPd 5,75 COPd Tj = +2°C 6,73 -Tj = +7°C COPd 6,37 . Tj = +12°C COPd 6,59 . COP_d 5,30 $T_j = -10^{\circ}C$ (bivalent temperature) -COPd $T_j = -10^{\circ}C$ (operation limit temperature) 5,30 -Heating water operating limit temperature WTOL 65 °C

Supplementary heater			
Rated heat output	Psup	0	W
Type of energy input		-	

* If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.



Symbol

Value

Unit

Information requirements for heat pump space heaters and heat pump combination heaters according Reg. (EU) 813/2013 and DIN EN 14825:2018

ltem

Modell	SPH-W0720-T2R00-033H (R-515B)
Air-to-water heat pump:	No
Water-to-water heat pump:	Yes
Brine-to-water heat pump:	No
Low-temperature heat pump:	No
Equipped with a supplementary heater:	No
Heat pump combination heater:	No

Parameters are declared for applications with:	low-temperature (35°C)
	average climate

Item	Symbol	Value	Unit	
Rated heat output	P _{rated}	552,70	kW	
Declared capacity for heating for part load at indoor temperature 20	°C and outo	door temperatu	ire Tj	
Tj = -7°C	P _{dh}	489	kW	
$Tj = +2^{\circ}C$	P _{dh}	298	kW	
Tj = +7°C	P _{dh}	193	kW	
Tj = +12°C	P _{dh}	86	kW	
Tj = -10°C (bivalent temperature)	P _{dh}	553	kW	
Tj = -10°C (operation limit temperature)	P _{dh}	553	kW	
Bivalent temperature	T _{biv}	-10	°C	
Degradation coefficient*	C _{dh}	0,90	-	
Power consumption in modes other than active mode				
Off mode	Poff	-	kW	
Thermostat-off mode	P _{TO}	8,15	kW	
Standby mode	P _{SB}	0,24	kW	
Crankcase heater mode	P _{CK}	-	kW	
Sonstige Elemente				
Capacity control		variable		
Sound power level	L _{WA}	94	dB(A)	
Annual energy consumption	QHe	181.253	kWh	
Rated brine or water flow rate, evaporator		130,1	m³/h	
Contact details				
ENGIE Refrigeration GmbH Josephine-Hirner-Strasse 1&3 88131 Lindau				

Seasonal space heating energy efficiency ηs 243,95 % Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj Tj = -7°C COPd 5,70 COPd Tj = +2°C 6,79 -Tj = +7°C COPd 6,48 . Tj = +12°C COPd 5,32 . COP_d 5,28 $T_j = -10^{\circ}C$ (bivalent temperature) -COPd $T_j = -10^{\circ}C$ (operation limit temperature) 5,28 -Heating water operating limit temperature WTOL 65 °C Supple

Supplementary heater			
Rated heat output	Psup	0	W
Type of energy input		-	

* If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.



Information requirements for heat pump space heaters and heat pump combination heaters according DIN EN 14825:2018

Modell	SPH-W1080-T3R00-044H (R-515B)
Air-to-water heat pump:	No
Water-to-water heat pump:	Yes
Brine-to-water heat pump:	No
Low-temperature heat pump:	No
Equipped with a supplementary heater:	No
Heat pump combination heater:	No
Parameters are declared for applications with:	medium-temperature (55°C)
	average climate

Item	Symbol	Value	Unit
Rated heat output	Prated	771,79	kW
Declared capacity for heating for part load at indoor temperature 20	°C and out	door temperatu	ure Tj
Tj = -7°C	P _{dh}	683	kW
Tj = +2°C	P_{dh}	417	kW
Tj = +7°C	P_{dh}	268	kW
Tj = +12°C	P_{dh}	120	kW
Tj = -10°C (bivalent temperature)	P _{dh}	772	kW
Tj = -10°C (operation limit temperature)	P _{dh}	772	kW
Bivalent temperature	T _{biv}	-10	°C
Degradation coefficient*	C_{dh}	0,90	-
Power consumption in modes other than active mode			
Off mode	P _{off}	-	kW
Thermostat-off mode	P _{TO}	10,46	kW
Standby mode	P _{SB}	0,24	kW
Crankcase heater mode	P _{CK}	-	kW
Sonstige Elemente			
Capacity control		varia	able
Sound power level	L _{WA}	97	dB(A)
Annual energy consumption	QHe	244.471	kWh
Rated brine or water flow rate, evaporator		2,49	m³/h
Contact details			
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* If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

The harmonized standards EN14511 and EN14825 have been used for testing and calculation

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	252,84	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 2	0 °C and outdo	oor temperatu	re Tj
Tj = -7°C	COPd	5,88	-
$Tj = +2^{\circ}C$	COPd	6,87	-
$Tj = +7^{\circ}C$	COPd	6,91	-
Tj = +12°C	COPd	5,67	-
Tj = -10°C (bivalent temperature)	COPd	5,53	-
Tj = -10°C (operation limit temperature)	COPd	5,53	-
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output	Psup	0	W
Type of energy input		-	



Information requirements for heat pump space heaters and heat pump combination heaters according DIN EN 14825:2018

Modell	SPH-W1440-T4R00-066H (R-515B)		
Air-to-water heat pump:	No		
Water-to-water heat pump:	Yes		
Brine-to-water heat pump:	No		
Low-temperature heat pump:	No		
Equipped with a supplementary heater:	No		
Heat pump combination heater:	No		
Parameters are declared for applications with:	medium-temperature (55°C)		
	average climate		

Item	Symbol	Value	Unit
Rated heat output	Prated	1105,57	kW
Declared capacity for heating for part load at indoor temperature 20	°C and out	tdoor temperatu	ıre Tj
Tj = -7°C	P _{dh}	978	kW
Tj = +2°C	P _{dh}	596	kW
Tj = +7°C	P _{dh}	383	kW
Tj = +12°C	P_{dh}	171	kW
Tj = -10°C (bivalent temperature)	P _{dh}	1106	kW
Tj = -10°C (operation limit temperature)	P _{dh}	1106	kW
Bivalent temperature	T _{biv}	-10	°C
Degradation coefficient*	C _{dh}	0,90	-
Power consumption in modes other than active mode			
Off mode	P _{off}	-	kW
Thermostat-off mode	P _{TO}	9,07	kW
Standby mode	P _{SB}	0,24	kW
Crankcase heater mode	P _{CK}	-	kW
Sonstige Elemente			
Capacity control		varia	able
Sound power level	L _{WA}	97	dB(A)
Annual energy consumption	QHe	323.084	kWh
Rated brine or water flow rate, evaporator		2,11	m³/h
Contact details			
ENGIE Refrigeration GmbH Josephine-Hirner-Strasse 1&3 88131 Lindau			

* If Cdh is not determined b	y measurement then the default degradation coefficient is Cdh =	0,9.

The harmonized standards EN14511 and EN14825 have been used for testing and calculation

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	274,74	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 2	20 °C and outdo	oor temperatu	re Tj
Tj = -7°C	COPd	5,98	-
$Tj = +2^{\circ}C$	COPd	7,35	-
$Tj = +7^{\circ}C$	COPd	7,65	-
Tj = +12°C	COPd	6,76	-
Tj = -10°C (bivalent temperature)	COPd	5,46	-
Tj = -10°C (operation limit temperature)	COPd	5,46	-
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output	Psup	0	W
Type of energy input		-	



Information requirements for heat pump space heaters and heat pump combination heaters according DIN EN 14825:2018

Modell	SPH-W1800-T5R00-066H (R-515B)
Air-to-water heat pump:	No
Water-to-water heat pump:	Yes
Brine-to-water heat pump:	No
Low-temperature heat pump:	No
Equipped with a supplementary heater:	No
Heat pump combination heater:	No
Parameters are declared for applications with:	medium-temperature (55°C)
	average climate

Item	Symbol	Value	Unit
Rated heat output	Prated	1325,71	kW
Declared capacity for heating for part load at indoor temperature 20	°C and ou	tdoor temperatu	ıre Tj
Tj = -7°C	P _{dh}	1173	kW
$Tj = +2^{\circ}C$	P _{dh}	714	kW
Tj = +7°C	P _{dh}	460	kW
Tj = +12°C	P _{dh}	205	kW
Tj = -10°C (bivalent temperature)	P _{dh}	1326	kW
Tj = -10°C (operation limit temperature)	P _{dh}	1326	kW
Bivalent temperature	T _{biv}	-10	°C
Degradation coefficient*	C _{dh}	0,90	-
Power consumption in modes other than active mode			
Off mode	P _{off}	-	kW
Thermostat-off mode	P _{TO}	13,05	kW
Standby mode	P _{SB}	0,24	kW
Crankcase heater mode	P _{CK}	-	kW
Sonstige Elemente			
Capacity control		varia	able
Sound power level	L _{WA}	97	dB(A)
Annual energy consumption	QHe	398.963	kWh
Rated brine or water flow rate, evaporator		314,5	m³/h
Contact details			
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* If Cdh is not determined h	w measurement then th	e default degradation	coefficient is Cdh = 0.9

The harmonized standards EN14511 and EN14825 have been used for testing and calculation

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	266,55	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 2	0 °C and outdo	oor temperatu	re Tj
Tj = -7°C	COPd	5,98	-
$Tj = +2^{\circ}C$	COPd	7,16	-
$Tj = +7^{\circ}C$	COPd	7,31	-
Tj = +12°C	COPd	6,46	-
Tj = -10°C (bivalent temperature)	COPd	5,54	-
Tj = -10°C (operation limit temperature)	COPd	5,54	-
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output	Psup	0	W
Type of energy input		-	



Information requirements for heat pump space heaters and heat pump combination heaters according DIN EN 14825:2018

Modell	SPH-W2160-T6R00-076H (R-515B)
Air-to-water heat pump:	No
Water-to-water heat pump:	Yes
Brine-to-water heat pump:	No
Low-temperature heat pump:	No
Equipped with a supplementary heater:	No
Heat pump combination heater:	No
Parameters are declared for applications with:	low-temperature (35°C)
	average climate

Item	Symbol	Value	Unit
Rated heat output	Prated	1549,84	kW
Declared capacity for heating for part load at indoor temperature 20	°C and out	door temperatu	ire Tj
Tj = -7°C	P _{dh}	1371	kW
Tj = +2°C	P_{dh}	835	kW
Tj = +7°C	P_{dh}	537	kW
Tj = +12°C	P_{dh}	239	kW
Tj = -10°C (bivalent temperature)	P _{dh}	1550	kW
Tj = -10°C (operation limit temperature)	P _{dh}	1550	kW
Bivalent temperature	T _{biv}	-10	°C
Degradation coefficient*	C_{dh}	0,90	-
Power consumption in modes other than active mode			
Off mode	P _{off}	-	kW
Thermostat-off mode	P _{TO}	16,98	kW
Standby mode	P _{SB}	0,24	kW
Crankcase heater mode	P _{CK}	-	kW
Sonstige Elemente			
Capacity control		varia	ble
Sound power level	L _{WA}	97	dB(A)
Annual energy consumption	QHe	452.680	kWh
Rated brine or water flow rate, evaporator		368,8	m³/h
Contact details			
ENGIE Refrigeration GmbH Josephine-Hirner-Strasse 1&3 88131 Lindau			

* If Cdh is not determined by measurement then the default degradation coefficient is Cdh	= 0,9.

The harmonized standards EN14511 and EN14825 have been used for testing and calculation

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	274,88	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 2	0 °C and outdo	oor temperatu	re Tj
Tj = -7°C	COPd	6,03	-
$Tj = +2^{\circ}C$	COPd	7,65	-
$Tj = +7^{\circ}C$	COPd	7,37	-
Tj = +12°C	COPd	6,21	-
Tj = -10°C (bivalent temperature)	COPd	5,61	-
Tj = -10°C (operation limit temperature)	COPd	5,61	-
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output	Psup	0	W
Type of energy input		-	